

SEQUENCE LISTING

<110> THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 TSIEN, Roger
 Griffin, Albert

<120> SYNTHETIC MOLECULES THAT SPECIFICALLY REACT WITH TARGET SEQUENCES

<130> REGEN1390-1

<140> US 09/372,338

<141> 1999-08-11

<150> US 08/955,859

<151> 1997-10-21

<160> 7

<170> PatentIn version 3.0

<210> 1

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Target sequence

<220>

<221> MOD_RES

<222> (1)..(1)

<223> ACETYLTATION

<220>

<221> MOD_RES

<222> (17)..(17)

<223> AMIDATION

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Trp Glu Ala Ala Ala Arg Glu Ala Cys Cys Arg Glu Cys Cys Ala Arg
 1 5 10 15

Ala

<210> 2

<211> 85

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer for target sequence

<400> 2

cggcaattct taggccttgg cgcagcactc cctgcagcag gcctcccttg cggcggcctc 60

ggccttgtag agctcggtcca tgccc 85

<210> 3
 <211> 75
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer for mutated calmodulin

<400> 3
 cgcggatccg ccaccatgca tgaccaactg acatgctgcc agatttgctg cttcaaagaa 60
 gcctttctcat tatttc 75

<210> 4
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Target sequence

<400> 4

Ala Glu Ala Ala Ala Arg Glu Ala Cys Cys Arg Glu Cys Cys Ala Arg
 1 5 10 15

Ala

<210> 5
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Rich target sequence motif

<220>
 <221> VARIANT
 <222> (3)..(3)
 <223> Xaa is any Amino Acid

<220>
 <221> VARIANT
 <222> (4)..(4)
 <223> Xaa is any Amino Acid

<400> 5

Cys Cys Xaa Xaa Cys Cys
 1 5

<210> 6
 <211> 9
 <212> PRT
 <213> Xenopus

<400> 6

Thr Glu Glu Gln Ile Ala Glu Phe Lys
1 5

<210> 7

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> N-terminal of mutated calmodulin (calmodulin+ cys4)

<400> 7

Thr Cys Cys Gln Ile Cys Cys Phe Lys
1 5